51/71/72/79 SERIES KEYBOARD
USER'S GUIDE

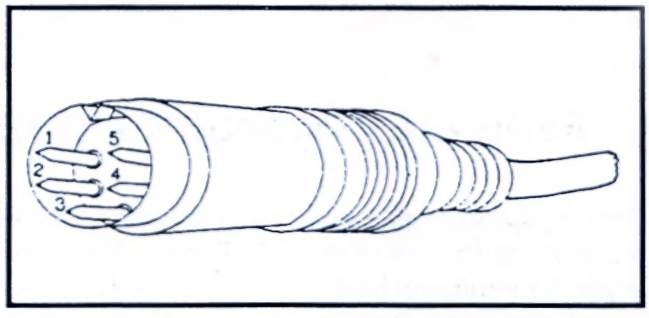
Features: The keyboards are fully compatible with IBM AT and PS/2.

Safety: TüV EN60950/IEC950 UL1950 D3 Devision CSA 22.2 NO. 220

KEYBOARD CABLE CONNECTOR

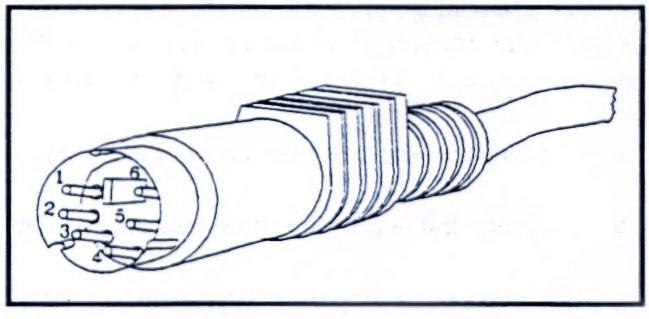
AT Compatible Cable
(5-pin Din Connector)

Pin#	Signal Name	Voltage
1	Keyboard Clock	+5VDC Signal
2	Ground	0
3	Keyboard Data	+5VDC Signal
4	Power Supply	+5VDC
5	No Connection	



PS/2 Compatible Cable
(6-pin Miniatures Din Connector)

Pin#	Signal Name	Voltage
1	Keyboard Clock	+5VDC Signal
2	Ground	0
3	Keyboard Data	+5VDC Signal
4	Reserved	0
5	+5VDC	+5VDC
6	Reserved	0



TECHNICAL DATA

POWER REQUIREMENT

+5 VDC @170 mA nominal

ENVIRONMENTAL DATA

Operating temperature	:	0°C to 55°C
Relative humidity	:	20% to 95% non-condensing
Altitude	:	−1000 ft. to 10000 ft.

MECHANICAL DATA

Model No.	5139, 5149, 5169 7139, 7149, 7169 7239, 7249, 7269 7939, 7949, 7969
Total Travel	3.5 +/− 0.5 mm
Pretravel	1.0 +/− 0.5 mm
Operating Life (normal key)	10 mega cycles min. per key
Peak Load before Make (normal key)	60 +/− 20 grams

FEDERAL COMMUNICATION COMMISSION GUIDELINES

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Information to User:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Shielded interface cable, if any, must be used in order to comply with emission limits.

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